

Converting Colors

$Yxy(38.3717, 0.2146, 0.2647)$

Have a look what the booklet for
Yxy(38.3717, 0.2146, 0.2647)
contains.

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Color

Yxy(38.4675, 0.2147, 0.2648)

Conversions

Conversions Part 1

Format	Color
Hex	3AB3DF
RGB	58, 179, 223
RGB Percent	23%, 70%, 87%
CMY	0.7723, 0.2981, 0.1254
CMYK	0.74, 0.20, 0.00, 0.13
HSL	196°, 72%, 55%
HSV	196°, 74%, 87%
XYZ	31.1895, 38.4675, 75.6130
YIQ	147.8370, -86.2400, -11.9680

Conversions

Conversions Part 2

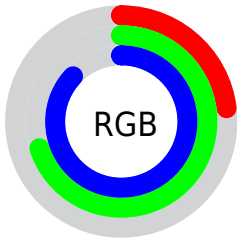
Format	Color
RYB	58, 128, 223
Decimal	3847135
CIELab	68.36, -18.76, -31.65
CIELCh	68, 36.798, 239.343
Yxy	38.4675, 0.2147, 0.2648
Android (android.graphics.Color)	4282037215 (0xFF3AB3DF)
YUV	147.8370, 37.0554, -78.7870
Hunter-Lab	62.0222, -18.7754, -28.8666

Details

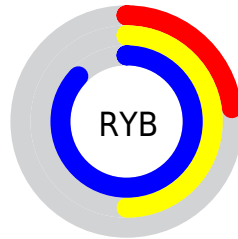
The Yxy color **38.4675, 0.2147, 0.2648** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **25.5201, 0.5248, 0.3724**, and the grayscale version is **29.4205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1487, 0.2425, 0.3053**, and **17.7489, 0.2018, 0.2466** is the 20% darker color. If you saturate the color by 10%, you get **35.6032, 0.2074, 0.2547**, and if you desaturate by 10%, it is **41.7269, 0.2239, 0.2748**.

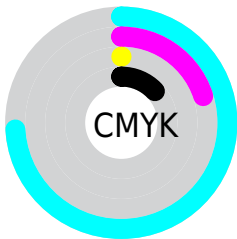
Distribution



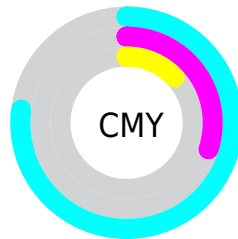
- Red (23%)
- Green (70%)
- Blue (87%)



- Red (23%)
- Yellow (50%)
- Blue (87%)



- Cyan (74%)
- Magenta (20%)
- Yellow (0%)
- Black (13%)





- Cyan (77%)
- Magenta (30%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4675, 0.2147, 0.2648 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 38.4675, 0.2147, 0.2648 by changing the saturation by 10% instead.


 38.4675, 0.2147,
0.2648

 38.4675, 0.2147,
0.2648


339.6212, 0.2629,
0.2984

 26.3457, 0.2032,
0.2562


 72.8241, 0.2319,
0.2772

 17.0825, 0.1887,
0.2450


 95.8278, 0.2385,
0.2819


 10.2933, 0.1702,
0.2301


 123.2275, 0.2440,
0.2857

 5.5939, 0.1460,
0.2094

 155.4077, 0.2489,
0.2890

 2.5997, 0.1137,
0.1797

 192.7528, 0.2531,
0.2919

 0.9265, 0.0622,
0.1365

235.6471, 0.2567,

 0.0000, 0.0000,

0.2943

0.0000

284.4751, 0.2600,
0.2965

■ 38.4675, 0.2147,
0.2648

■ 38.4675, 0.2147,
0.2648

■ 35.6032, 0.2074,
0.2547

■ 41.7269, 0.2239,
0.2748

■ 33.0883, 0.2022,
0.2447

■ 45.4118, 0.2350,
0.2847

■ 31.7006, 0.1997,
0.2388

■ 49.5535, 0.2476,
0.2942

■ 54.1787, 0.2614,
0.3031

■ 59.3118, 0.2760,
0.3116

■ 64.9753, 0.2912,
0.3193

■ 71.1902, 0.3066,
0.3264

■ 77.9760, 0.3220,
0.3328

■ 84.6261, 0.3344,
0.3385

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.4675, 0.2206, 0.3061



38.4675, 0.2147, 0.2648



38.4675, 0.2316, 0.2446

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.4675, 0.2147, 0.2648



38.4675, 0.3769, 0.2970



38.4675, 0.3500, 0.4289

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.4675, 0.2147, 0.2648



25.5201, 0.5248, 0.3724

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



38.4675, 0.3961, 0.4153



38.4675, 0.2147, 0.2648



38.4675, 0.4142, 0.3382

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.4675, 0.2147, 0.2648



38.4675, 0.3223, 0.2640



38.4675, 0.4208, 0.3807



38.4675, 0.2961, 0.4094

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.4675, 0.2147, 0.2648



38.4675, 0.2548, 0.2428



38.4675, 0.4208, 0.3807



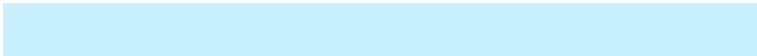
38.4675, 0.3669, 0.4276

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38.4689, 0.2147, 0.2648



81.6836, 0.2787, 0.3130



54.6527, 0.2862, 0.5121



17.0544, 0.2747, 0.3108



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.4689, 0.2147, 0.2648



46.2390, 0.2042, 0.2490



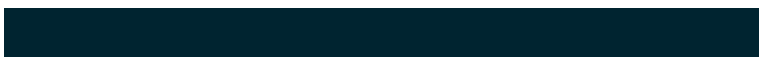
14.6977, 0.1827, 0.1391



14.9210, 0.2982, 0.3226



18.8291, 0.2001, 0.2403



1.4499, 0.2043, 0.2556

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.9793, 0.3752, 0.2057



26.0069, 0.3925, 0.1985



50.5030, 0.4399, 0.4584



13.8699, 0.3178, 0.3120



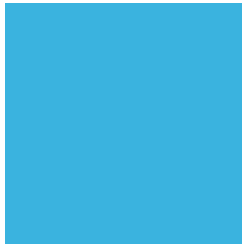
10.8088, 0.4020, 0.1988



0.7638, 0.3867, 0.1904

Previews

White Background



This preview shows how the Yxy color 38.4675, 0.2147, 0.2648 looks on a white background.

Color Contrast Check

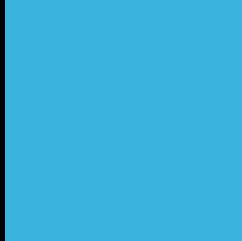
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 38.4675, 0.2147, 0.2648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

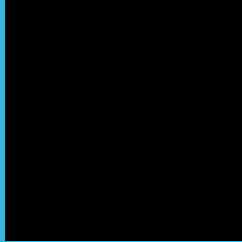
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.4675, 0.2147, 0.2648

Background



This preview shows how black text looks on a background with the Yxy color 38.4675, 0.2147, 0.2648.

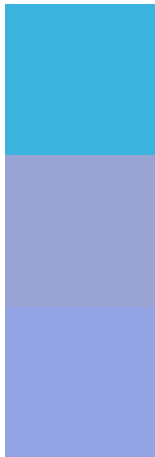


This preview shows how white text looks on a background with the Yxy color 38.4675, 0.2147, 0.2648.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

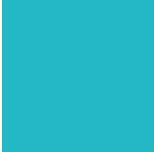
38.4675, 0.2147, 0.2648

Protanopia

38.0767, 0.2660, 0.2644

Deuteranopia

37.9435, 0.2518, 0.2450



Tritanopia

38.3193, 0.2219, 0.3053

Trichromacy



Original Color

38.4675, 0.2147, 0.2648



Protanomaly

37.1854, 0.2405, 0.2626



Deuteranomaly

37.5118, 0.2335, 0.2503



Tritanomaly

38.4964, 0.2192, 0.2906

Monochromacy



Original Color

38.4675, 0.2147, 0.2648



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

31.5363, 0.2617, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4675, 0.2147, 0.2648 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(58, 179, 223)` looks like.

```
.text, #text, p{  
    color:rgb(58, 179, 223)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(58, 179, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 179, 223) }
```

Border

The CSS property to change the border of an element to Yxy 38.4675, 0.2147, 0.2648 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(58, 179, 223) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(58, 179, 223) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(58, 179, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 179, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 179, 223);  
box-shadow:4px 4px 4px 4px rgb(58, 179,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4675, 0.2147, 0.2648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 179, 223) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(58, 179,  
223) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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